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COMMUNICABLE DISEASE CENTER

Morbidity and Mortality

Vol. 15, No. 21

WEEKLY REPORT

Week Ending May 28, 1966

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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

EPIDEMIOLOGICAL NOTES AND REPORTS

INTRODUCED MALARIA – Fort Knox, Kentucky 1965-1966

On May 2, 1966, the 5-year-old daughter of a non-commissioned officer stationed at Fort Knox, Kentucky, began to have chills, fever, nausea, vomiting and poorly localized abdominal pain. Soon after the onset of symptoms, the family consulted a practicing physician who noted that the patient had an enlarged spleen. The diagnosis of vivax malaria, however, was not made until May 9 when *Plasmodium vivax* parasites were detected on a routine blood film prepared at Ireland Army Hospital at Fort Knox. Thick and thin blood films for malaria were then made on the mother and her other four children, one of which, a 3½-year-old brother of the patient, was also found to have vivax malaria. In retrospect, this child had a clinical illness indistinguishable from malaria which began on March 29, 1966, and which consisted of four episodes of chills, fever, nausea and vomiting that occurred every other day. He was asymptomatic during the interval between

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CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	21st WEEK ENDED		MEDIAN 1961–1965	CUMULATIVE, FIRST 21 WEEKS		
	MAY 28, 1966	MAY 29, 1965		1966	1965	MEDIAN 1961–1965
Aseptic meningitis	35	26	24	584	588	529
Brucellosis	8	7	10	84	88	158
Diphtheria	1	–	4	65	74	114
Encephalitis, primary:						
Arthropod-borne & unspecified	26	28	- - -	506	641	- - -
Encephalitis, post-infectious	14	18	- - -	351	343	- - -
Hepatitis, serum	30	689	750	523	15,596	20,371
Hepatitis, infectious	744			14,205		
Measles (rubeola)	6,530	7,851	17,864	156,194	199,332	293,070
Poliomyelitis, Total (including unspecified)	–	1	5	8	10	54
Paralytic	–	1	3	7	8	48
Nonparalytic	–	–	- - -	–	2	- - -
Meningococcal infections, Total	87	52	50	2,051	1,725	1,237
Civilian	78	47	- - -	1,812	1,569	- - -
Military	9	5	- - -	239	156	- - -
Rubella (German measles)	2,054	- - -	- - -	32,368	- - -	- - -
Streptococcal sore throat & Scarlet fever	8,702	6,661	6,460	232,429	216,574	190,101
Tetanus	7	7	- - -	49	86	- - -
Tularemia	2	8	- - -	52	83	- - -
Typhoid fever	6	5	10	119	138	146
Typhus, tick-borne (Rky. Mt. Spotted fever)	5	7	- - -	21	23	- - -
Rabies in Animals	88	66	75	1,837	2,093	1,789

NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Botulism:	1
Leptospirosis:	17	Trichinosis: Wyo.-1	43
Malaria Mich.-1, Ohio-1, Pa.-4, Ky.-2, P.R.-1	114	Rabies in Man:	1
Psittacosis: Tenn.-1	17	Rubella, Congenital Syndrome:	16
Typhus, murine: Tex -1	7		

CURRENT TRENDS – MEASLES

During the 4-week period ending May 21, 1966, a total of 31,860 cases of measles was reported. This constitutes a decrease of 8,195 cases from the total reported during the same 4-week period in 1965 and a decrease of 930 cases from the total notified in the preceding 4-week period in 1966 (Figures 1 and 2).

There were 108 cases of post-measles encephalitis in a total of 149,664 cases of measles notified during the first 20 weeks of 1966 in the U.S. The reported incidence of encephalitis is nearly twice that of the comparable period in 1965 and approximately the same as that in 1964 (Table 1). Twenty-five of the 108 cases were reported during the 4-week period ending May 21, 1966, and 23 cases for the preceding 4-week period.

(Reported by the Childhood Virus Disease Unit, Epidemiology Branch, CDC.)

FIGURE 1
MEASLES REPORTED BY FOUR-WEEK PERIODS – UNITED STATES
EPIDEMIOLOGIC YEARS, 1964-65 AND 1965-66
COMPARED WITH 10-YEAR PERIOD, 1954-1963

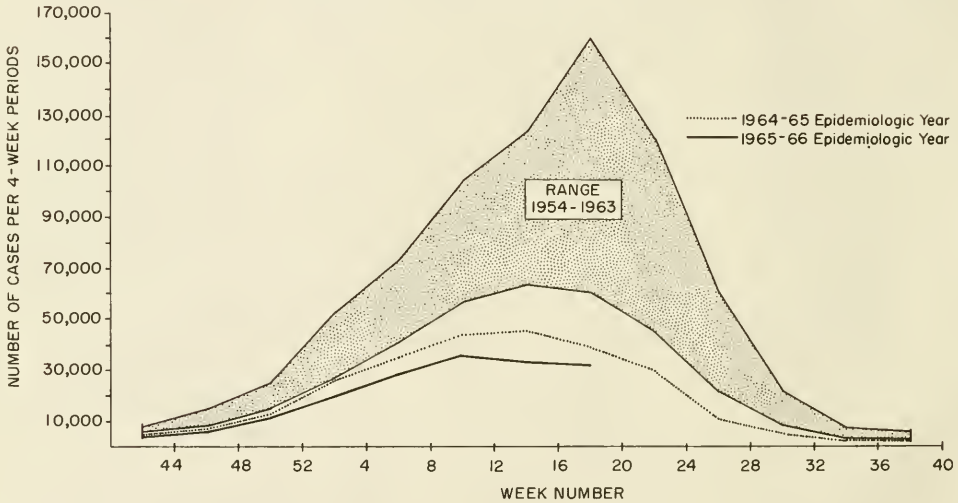
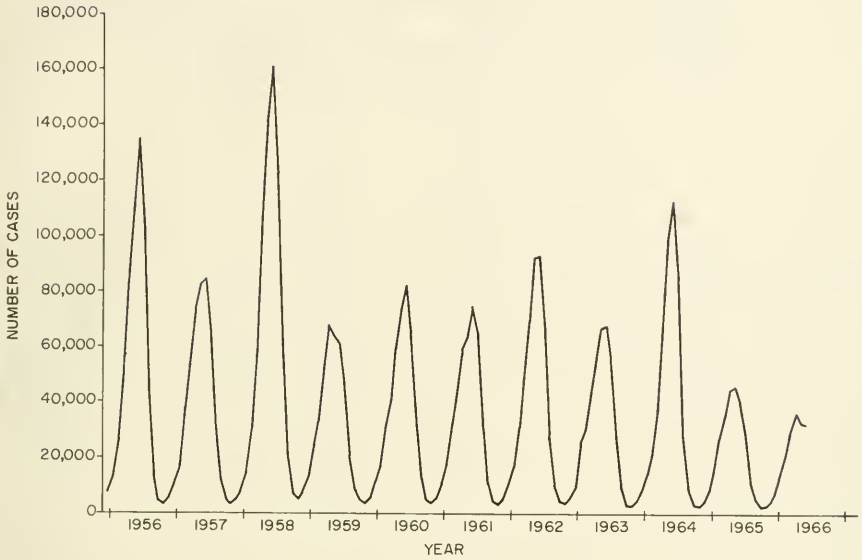


Table 1

REPORTED CASES OF POST-MEASLES ENCEPHALITIS AND MEASLES
First 20 Weeks, 1964-66

Area	1966		1965		1964	
	Encephalitis	Measles	Encephalitis	Measles	Encephalitis	Measles
UNITED STATES ...	108	149,664	55	191,481	104	337,914
New England	1	1,724	9	33,199	–	11,133
Middle Atlantic	14	15,921	6	9,204	17	39,899
East North Central .	27	54,667	7	38,730	24	74,456
West North Central .	8	6,986	–	14,474	–	18,808
South Atlantic	1	11,482	6	20,330	5	30,110
East South Central .	11	16,398	1	11,601	2	48,443
West South Central .	10	18,604	5	26,646	2	58,466
Mountain	–	8,902	–	15,166	–	12,825
Pacific	36	14,980	21	22,131	54	43,774

FIGURE 2
REPORTED MEASLES BY FOUR-WEEK PERIODS
UNITED STATES, 1956-1966



CURRENT TRENDS

POLIOMYELITIS MORBIDITY TRENDS

Six cases of paralytic poliomyelitis with onset in 1966 have been reported to the Poliomyelitis Surveillance Unit through May 14, 1966 (Table 2). This total compares with 5 cases with onset in the same period in 1965. Two cases occurred within 30 days of vaccination with trivalent oral vaccine. Four of the 6 cases occurred in children under 4 years of age. It is expected that poliomyelitis in 1966 will continue at its low level of incidence. *(Reported by the CNS Disease Unit, Epidemiology Branch, CDC).*

Table 2
PARALYTIC POLIOMYELITIS WITH ONSET IN 1966
(through May 7, 1966)

State	Age	Sex	Race	Onset Date	IPV	OPV	Virus Isolation	Clinical Status*
Washington ..	11	M	W	1/2 /66	3	2**	III	1
Mississippi ..	2	M	W	1/21/66	0	1***	Not reported	Not reported
Texas.....	3	F	W	1/22/66	0	0	Negative	3
Texas.....	11 mo.	F	W	1/25/66	0	0	I	4
Minnesota....	30	M	W	2/26/66	0	0	II	Not reported
Georgia.....	2	M	W	3/19/66	0	1	I	Not reported

*1 = complete recovery, no residual paralysis
3 = significant disability
4 = severe disability (bed, wheelchair, etc.)
**Trivalent vaccine given on November 17, 1965, and on December 28, 1965.
***Trivalent vaccine given on January 12, 1966.

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
MAY 28, 1966 AND MAY 29, 1965 (21st WEEK)

AREA	ASEPTIC MENINGITIS		BRUCELLOSIS	ENCEPHALITIS			DIPHTHERIA		HEPATITIS		
				Primary including unsp. cases		Post-Infectious			Serum	Infectious	Both Types
	1966	1965	1966	1966	1965	1966	1966	1965	1966	1966	1965
UNITED STATES...	35	26	8	26	28	14	1	-	30	744	689
NEW ENGLAND.....	-	2	-	-	2	-	-	-	2	14	36
Maine.....	-	-	-	-	-	-	-	-	-	2	3
New Hampshire.....	-	1	-	-	-	-	-	-	-	1	4
Vermont.....	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	1	-	-	1	-	-	-	-	5	18
Rhode Island.....	-	-	-	-	1	-	-	-	1	3	4
Connecticut.....	-	-	-	-	-	-	-	-	1	3	7
MIDDLE ATLANTIC.....	5	2	1	7	8	1	-	-	18	122	148
New York City.....	-	-	1	2	2	-	-	-	13	22	44
New York, Up-State.	1	-	-	-	-	1	-	-	2	42	36
New Jersey.....	2	1	-	5	4	-	-	-	2	26	49
Pennsylvania.....	2	1	-	-	2	-	-	-	1	32	19
EAST NORTH CENTRAL...	4	4	1	4	2	2	-	-	-	116	160
Ohio.....	1	1	-	2	1	-	-	-	-	36	28
Indiana.....	-	-	-	2	-	-	-	-	-	12	4
Illinois.....	3	-	1	-	1	-	-	-	-	15	28
Michigan.....	-	2	-	-	-	2	-	-	-	49	79
Wisconsin.....	-	1	-	-	-	-	-	-	-	4	21
WEST NORTH CENTRAL...	-	-	1	-	3	1	-	-	1	131	26
Minnesota.....	-	-	-	-	-	1	-	-	-	3	4
Iowa.....	-	-	-	-	-	-	-	-	-	17	3
Missouri.....	-	-	1	-	-	-	-	-	1	107	10
North Dakota.....	-	-	-	-	-	-	-	-	-	-	1
South Dakota.....	-	-	-	-	-	-	-	-	-	1	-
Nebraska.....	-	-	-	-	-	-	-	-	-	1	2
Kansas.....	-	-	-	-	3	-	-	-	-	2	6
SOUTH ATLANTIC.....	4	2	2	2	3	3	-	-	2	92	57
Delaware.....	2	-	-	-	-	-	-	-	-	-	1
Maryland.....	-	-	1	-	1	-	-	-	1	33	6
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	1	1
Virginia.....	-	-	-	-	-	2	-	-	-	8	10
West Virginia.....	-	-	-	-	-	-	-	-	-	3	11
North Carolina.....	-	2	1	1	2	-	-	-	-	11	5
South Carolina.....	-	-	-	-	-	-	-	-	-	-	7
Georgia.....	-	-	-	-	-	-	-	-	-	15	2
Florida.....	2	-	-	1	-	1	-	-	1	21	14
EAST SOUTH CENTRAL...	5	1	-	-	1	1	-	-	1	62	51
Kentucky.....	4	1	-	-	-	-	-	-	-	27	17
Tennessee.....	1	-	-	-	1	1	-	-	1	14	11
Alabama.....	-	-	-	-	-	-	-	-	-	5	10
Mississippi.....	-	-	-	-	-	-	-	-	-	16	13
WEST SOUTH CENTRAL...	6	5	3	-	3	1	1	-	1	40	33
Arkansas.....	-	5	-	-	3	1	-	-	-	6	7
Louisiana.....	-	-	-	-	-	-	1	-	-	10	5
Oklahoma.....	-	-	1	-	-	-	-	-	-	3	-
Texas.....	6	-	2	-	-	-	-	-	1	21	21
MOUNTAIN.....	1	2	-	5	2	-	-	-	1	19	39
Montana.....	-	-	-	-	-	-	-	-	-	4	1
Idaho.....	-	-	-	-	-	-	-	-	-	1	6
Wyoming.....	-	-	-	1	1	-	-	-	-	-	-
Colorado.....	1	-	-	4	1	-	-	-	-	8	12
New Mexico.....	-	-	-	-	-	-	-	-	-	5	13
Arizona.....	-	2	-	-	-	-	-	-	-	1	6
Utah.....	-	-	-	-	-	-	-	-	1	-	1
Nevada.....	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	10	8	-	8	4	5	-	-	4	148	139
Washington.....	1	2	-	-	-	-	-	-	-	7	10
Oregon.....	-	-	-	-	-	-	-	-	-	13	13
California.....	7	6	-	7	4	5	-	-	4	124	115
Alaska.....	-	-	-	1	-	-	-	-	-	4	-
Hawaii.....	2	-	-	-	-	-	-	-	-	-	1
Puerto Rico.....	-	-	-	-	-	-	-	-	-	21	33

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MAY 28, 1966 AND MAY 29, 1965 (21st WEEK) CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			POLIOMYELITIS				RUBELLA
		Cumulative			Cumulative		Total		Paralytic		
	1966	1966	1965	1966	1966	1965	1966	1965	1966	Cumulative 1966	1966
UNITED STATES...	6,530	156,194	199,332	87	2,051	1,725	-	1	-	7	2,054
NEW ENGLAND.....	103	1,827	33,906	5	92	87	-	-	-	-	263
Maine.....	9	179	2,413	-	8	9	-	-	-	-	6
New Hampshire.....	3	42	356	-	8	5	-	-	-	-	2
Vermont.....	3	212	833	-	3	2	-	-	-	-	3
Massachusetts.....	14	658	18,285	-	35	29	-	-	-	-	150
Rhode Island.....	-	68	3,647	3	10	13	-	-	-	-	3
Connecticut.....	74	668	8,372	2	28	29	-	-	-	-	99
MIDDLE ATLANTIC.....	394	16,315	10,079	17	230	233	-	-	-	-	106
New York City.....	108	7,851	1,169	1	34	38	-	-	-	-	27
New York, Up-State.	102	1,856	2,843	4	63	60	-	-	-	-	69
New Jersey.....	36	1,733	1,707	7	65	68	-	-	-	-	-
Pennsylvania.....	148	4,875	4,360	5	68	67	-	-	-	-	10
EAST NORTH CENTRAL...	2,307	56,974	41,529	16	319	213	-	-	-	-	769
Ohio.....	240	5,455	7,617	3	86	59	-	-	-	-	67
Indiana.....	337	4,411	1,330	3	56	29	-	-	-	-	170
Illinois.....	178	10,415	1,835	2	60	57	-	-	-	-	102
Michigan.....	545	9,936	21,384	6	84	41	-	-	-	-	238
Wisconsin.....	1,007	26,757	9,363	2	33	27	-	-	-	-	192
WEST NORTH CENTRAL...	359	7,345	14,771	4	112	92	-	1	-	1	75
Minnesota.....	32	1,551	528	-	26	19	-	-	-	1	-
Iowa.....	290	4,410	8,124	-	16	5	-	-	-	-	66
Missouri.....	22	411	2,332	3	46	44	-	-	-	-	4
North Dakota.....	12	897	3,293	-	5	4	-	-	-	-	5
South Dakota.....	2	6	76	1	4	2	-	-	-	-	-
Nebraska.....	1	70	418	-	8	9	-	1	-	-	-
Kansas.....	NN	NN	NN	-	7	9	-	-	-	-	-
SOUTH ATLANTIC.....	432	11,914	21,071	14	328	340	-	-	-	1	181
Delaware.....	17	206	444	1	4	4	-	-	-	-	4
Maryland.....	99	1,789	881	-	31	32	-	-	-	-	26
Dist. of Columbia..	9	360	51	-	7	4	-	-	-	-	-
Virginia.....	85	1,414	3,394	-	43	37	-	-	-	-	58
West Virginia.....	148	4,218	11,793	-	10	23	-	-	-	-	48
North Carolina.....	20	245	255	7	84	63	-	-	-	-	-
South Carolina.....	25	528	899	-	41	50	-	-	-	-	7
Georgia.....	-	218	583	1	45	45	-	-	-	1	-
Florida.....	29	2,936	2,771	5	63	82	-	-	-	-	38
EAST SOUTH CENTRAL...	586	16,984	11,997	7	180	131	-	-	-	1	331
Kentucky.....	88	4,324	2,158	3	73	58	-	-	-	-	195
Tennessee.....	403	10,365	6,852	4	57	40	-	-	-	-	134
Alabama.....	74	1,446	2,016	-	38	22	-	-	-	-	2
Mississippi.....	21	849	971	-	12	11	-	-	-	1	-
WEST SOUTH CENTRAL...	829	19,433	27,299	13	301	256	-	-	-	3	12
Arkansas.....	14	744	1,047	6	23	13	-	-	-	-	-
Louisiana.....	2	78	70	4	115	144	-	-	-	-	-
Oklahoma.....	18	420	156	1	17	17	-	-	-	1	-
Texas.....	795	18,191	26,026	2	146	82	-	-	-	2	12
MOUNTAIN.....	545	9,447	15,771	-	70	58	-	-	-	-	76
Montana.....	92	1,477	3,170	-	4	1	-	-	-	-	1
Idaho.....	194	1,091	2,114	-	5	7	-	-	-	-	6
Wyoming.....	-	103	784	-	3	3	-	-	-	-	1
Colorado.....	49	933	4,345	-	38	13	-	-	-	-	15
New Mexico.....	40	959	525	-	9	10	-	-	-	-	-
Arizona.....	136	4,500	846	-	8	16	-	-	-	-	50
Utah.....	34	351	3,811	-	-	6	-	-	-	-	3
Nevada.....	-	33	176	-	3	2	-	-	-	-	-
PACIFIC.....	975	15,955	22,909	11	419	315	-	-	-	1	241
Washington.....	230	2,817	6,577	1	32	24	-	-	-	1	112
Oregon.....	59	1,103	2,805	1	28	23	-	-	-	-	17
California.....	661	11,823	10,718	9	341	252	-	-	-	-	111
Alaska.....	22	123	122	-	15	9	-	-	-	-	1
Hawaii.....	3	89	2,687	-	3	7	-	-	-	-	-
Puerto Rico.....	77	1,960	1,597	1	5	4	-	-	-	-	-

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
MAY 28, 1966 AND MAY 29, 1965 (21st WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966
UNITED STATES...	8,702	7	49	2	52	6	119	5	21	88	1,837
NEW ENGLAND.....	1,322	-	2	-	1	-	3	-	-	4	32
Maine.....	43	-	-	-	-	-	-	-	-	2	8
New Hampshire.....	27	-	-	-	-	-	-	-	-	2	11
Vermont.....	13	-	-	-	-	-	-	-	-	-	13
Massachusetts.....	322	-	2	-	1	-	-	-	-	-	-
Rhode Island.....	64	-	-	-	-	-	-	-	-	-	-
Connecticut.....	853	-	-	-	-	-	3	-	-	-	-
MIDDLE ATLANTIC.....	438	-	7	-	-	-	25	-	2	2	123
New York City.....	34	-	3	-	-	-	13	-	-	-	-
New York, Up-State.	344	-	-	-	-	-	3	-	-	2	117
New Jersey.....	NN	-	1	-	-	-	6	-	1	-	-
Pennsylvania.....	60	-	3	-	-	-	3	-	1	-	6
EAST NORTH CENTRAL...	1,151	1	4	-	12	2	22	2	2	10	258
Ohio.....	240	-	-	-	3	-	9	2	2	4	136
Indiana.....	172	-	1	-	3	-	1	-	-	1	56
Illinois.....	206	-	1	-	5	1	3	-	-	4	22
Michigan.....	317	1	2	-	-	-	3	-	-	-	23
Wisconsin.....	216	-	-	-	1	1	6	-	-	1	21
WEST NORTH CENTRAL...	259	-	3	-	3	1	13	-	1	27	402
Minnesota.....	3	-	-	-	-	-	-	-	-	8	92
Iowa.....	109	-	-	-	-	-	4	-	-	7	88
Missouri.....	36	-	3	-	1	-	5	-	-	6	141
North Dakota.....	31	-	-	-	-	1	1	-	-	-	6
South Dakota.....	19	-	-	-	-	-	-	-	-	5	41
Nebraska.....	8	-	-	-	-	-	1	-	-	-	7
Kansas.....	53	-	-	-	2	-	2	-	1	1	27
SOUTH ATLANTIC.....	968	3	12	-	7	-	24	2	9	11	244
Delaware.....	47	-	-	-	-	-	-	-	-	-	-
Maryland.....	183	-	-	-	-	-	6	-	1	-	-
Dist. of Columbia..	12	-	-	-	-	-	-	-	-	-	-
Virginia.....	354	-	-	-	2	-	8	2	4	5	149
West Virginia.....	223	-	-	-	1	-	1	-	-	1	33
North Carolina.....	8	-	1	-	2	-	2	-	3	-	1
South Carolina.....	34	-	1	-	1	-	4	-	-	-	-
Georgia.....	4	1	4	-	1	-	1	-	1	3	38
Florida.....	103	2	6	-	-	-	2	-	-	2	23
EAST SOUTH CENTRAL...	1,132	-	2	-	13	2	10	1	3	9	250
Kentucky.....	95	-	-	-	2	1	2	-	-	2	39
Tennessee.....	910	-	-	-	7	1	5	1	3	6	200
Alabama.....	81	-	2	-	4	-	2	-	-	-	9
Mississippi.....	46	-	-	-	-	-	1	-	-	1	2
WEST SOUTH CENTRAL...	747	3	12	1	13	1	8	-	3	20	386
Arkansas.....	-	-	2	1	11	-	1	-	1	3	44
Louisiana.....	63	-	3	-	1	-	2	-	-	-	20
Oklahoma.....	55	1	1	-	-	-	1	-	2	5	109
Texas.....	629	2	6	-	1	1	4	-	-	12	213
MOUNTAIN.....	1,605	-	1	1	2	-	6	-	1	1	36
Montana.....	27	-	-	-	-	-	-	-	-	-	7
Idaho.....	100	-	-	-	-	-	-	-	-	-	-
Wyoming.....	17	-	-	-	-	-	-	-	-	-	-
Colorado.....	1,008	-	1	-	-	-	2	-	1	-	2
New Mexico.....	217	-	-	1	1	-	-	-	-	1	6
Arizona.....	61	-	-	-	-	-	1	-	-	-	20
Utah.....	175	-	-	-	1	-	3	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	1
PACIFIC.....	1,080	-	6	-	1	-	8	-	-	4	106
Washington.....	316	-	-	-	-	-	-	-	-	-	-
Oregon.....	22	-	-	-	-	-	1	-	-	-	-
California.....	650	-	6	-	1	-	5	-	-	4	106
Alaska.....	69	-	-	-	-	-	-	-	-	-	-
Hawaii.....	23	-	-	-	-	-	2	-	-	-	-
Puerto Rico.....	4	2	22	-	-	-	4	-	-	-	5

Week No. 21

DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED MAY 28, 1966

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza	Under 1 year
	All Ages	65 years and over	All Ages	All Causes
NEW ENGLAND:	735	429	29	40
Boston, Mass.	244	130	6	14
Bridgeport, Conn.*	41	24	3	3
Cambridge, Mass.	28	21	6	1
Fall River, Mass.	40	28	1	1
Hartford, Conn.	44	26	3	2
Lowell, Mass.	33	19	2	3
Lynn, Mass.	24	18	1	2
New Bedford, Mass.	27	19	1	-
New Haven, Conn.	41	27	3	3
Providence, R. I.	75	35	1	5
Somerville, Mass.*	13	8	-	-
Springfield, Mass.	51	28	-	1
Waterbury, Conn.	25	15	-	1
Worcester, Mass.	49	31	2	4
MIDDLE ATLANTIC:	3,438	2,041	151	140
Albany, N. Y.	51	29	1	-
Allentown, Pa.	36	22	2	-
Buffalo, N. Y.	139	91	8	2
Camden, N. J.	44	30	1	1
Elizabeth, N. J.	31	15	1	3
Erie, Pa.	48	32	1	3
Jersey City, N. J.	71	51	10	2
Newark, N. J.	117	60	8	5
New York City, N. Y.	1,626	962	66	60
Paterson, N. J.	40	24	2	2
Philadelphia, Pa.	605	353	13	26
Pittsburgh, Pa.	207	104	8	13
Reading, Pa.	59	43	6	1
Rochester, N. Y.	107	64	7	7
Schenectady, N. Y.	31	22	2	3
Scranton, Pa.	47	26	4	2
Syracuse, N. Y.	53	35	2	3
Trenton, N. J.	50	31	4	3
Utica, N. Y.	37	25	4	-
Yonkers, N. Y.	39	22	1	4
EAST NORTH CENTRAL:	2,665	1,476	101	188
Akron, Ohio	75	39	-	4
Canton, Ohio	39	27	3	1
Chicago, Ill.	752	417	25	65
Cincinnati, Ohio	152	77	3	11
Cleveland, Ohio	229	117	8	8
Columbus, Ohio	133	59	1	3
Dayton, Ohio	90	51	7	6
Detroit, Mich.	358	216	23	27
Evansville, Ind.	37	26	1	1
Flint, Mich.	60	28	5	6
Fort Wayne, Ind.	55	25	5	6
Gary, Ind.	20	12	3	1
Grand Rapids, Mich.	67	41	3	3
Indianapolis, Ind.	146	77	2	11
Madison, Wis.	48	22	-	7
Milwaukee, Wis.	109	66	1	9
Peoria, Ill.	40	20	3	6
Rockford, Ill.	29	20	2	2
South Bend, Ind.	55	37	5	3
Toledo, Ohio	108	63	1	6
Youngstown, Ohio	63	36	-	2
WEST NORTH CENTRAL:	801	478	25	43
Des Moines, Iowa	47	29	3	2
Duluth, Minn.	21	15	2	1
Kansas City, Kans.	40	20	2	4
Kansas City, Mo.	136	77	1	8
Lincoln, Nebr.	25	19	2	2
Minneapolis, Minn.	111	69	1	3
Omaha, Nebr.	91	51	-	6
St. Louis, Mo.	217	129	7	13
St. Paul, Minn.	60	35	3	4
Wichita, Kans.	53	34	4	-
SOUTH ATLANTIC:	1,170	601	57	66
Atlanta, Ga.	137	51	2	20
Baltimore, Md.	268	141	7	12
Charlotte, N. C.	46	25	4	-
Jacksonville, Fla.	56	22	1	8
Miami, Fla.	92	54	2	4
Norfolk, Va.	55	31	6	1
Richmond, Va.	80	41	2	9
Savannah, Ga.	40	17	4	1
St. Petersburg, Fla.	65	52	5	1
Tampa, Fla.	72	46	10	3
Washington, D. C.	196	98	9	5
Wilmington, Del.	63	23	5	2
EAST SOUTH CENTRAL:	669	362	34	44
Birmingham, Ala.	87	41	3	6
Chattanooga, Tenn.	44	25	2	4
Knoxville, Tenn.	28	16	1	2
Louisville, Ky.	188	117	19	11
Memphis, Tenn.	131	68	5	6
Mobile, Ala.	50	24	-	2
Montgomery, Ala.	39	22	1	3
Nashville, Tenn.	102	49	3	10
WEST SOUTH CENTRAL:	1,174	582	48	66
Austin, Tex.	35	22	4	-
Baton Rouge, La.	40	21	-	2
Corpus Christi, Tex.	30	17	-	3
Dallas, Tex.	149	72	6	9
El Paso, Tex.	25	15	5	3
Fort Worth, Tex.	74	43	3	1
Houston, Tex.	200	68	6	16
Little Rock, Ark.	64	35	5	5
New Orleans, La.	208	103	6	10
Oklahoma City, Okla.	104	57	3	4
San Antonio, Tex.	121	75	3	4
Shreveport, La.	65	28	3	4
Tulsa, Okla.	59	26	4	5
MOUNTAIN:	404	234	13	27
Albuquerque, N. Mex.	39	27	3	1
Colorado Springs, Colo.	27	16	2	-
Denver, Colo.	114	65	2	9
Ogden, Utah	14	10	1	-
Phoenix, Ariz.	99	47	3	10
Pueblo, Colo.	13	10	-	2
Salt Lake City, Utah	50	33	1	3
Tucson, Ariz.	48	26	1	2
PACIFIC:	1,446	887	28	59
Berkeley, Calif.	22	18	-	-
Fresno, Calif.	50	27	2	-
Glendale, Calif.	21	15	-	-
Honolulu, Hawaii	47	27	2	3
Long Beach, Calif.	67	48	-	2
Los Angeles, Calif.	396	235	7	19
Oakland, Calif.	89	53	1	2
Pasadena, Calif.	37	27	1	-
Portland, Oreg.	108	63	2	6
Sacramento, Calif.	64	39	2	4
San Diego, Calif.	79	47	2	5
San Francisco, Calif.	189	120	3	5
San Jose, Calif.	28	17	-	1
Seattle, Wash.	145	85	6	9
Spokane, Wash.	50	29	-	2
Tacoma, Wash.	54	37	-	1
Total	12,502	7,090	486	673

*Estimate - based on average percent of divisional total.

Cumulative Totals
including reported corrections for previous weeks

All Causes, All Ages	275,789
All Causes, Age 65 and over	159,965
Pneumonia and Influenza, All Ages	13,149
All Causes, Under 1 Year of Age	14,143

EPIDEMIOLOGICAL NOTES AND REPORTS

INTRODUCED MALARIA – Fort Knox, Kentucky

(Continued from front page)

episodes. The blood smears from these two patients have been confirmed at the Communicable Disease Center as positive for *P. vivax*. Both of the children were treated with chloroquine and primaquine and have been well since.

The family had lived in Panama from 1957-1961 at which time they moved to the Fort Knox area. Both children were born at Ireland Army Hospital; neither child has ever travelled outside Kentucky and neither has had an illness necessitating transfusions.

From May 1 to September 30, 1965, the children were almost constantly around their area of residence at Fort Knox. Light trap mosquito catches during that period were positive for both *Anopheles quadrimaculatus* and *Anopheles punctipennis* in low density. Epidemiological investigations failed to find a related index case although numerous servicemen who had served in Southeast Asia would be presumed to have been in close proximity to the residence of this family at Fort Knox. These two cases are believed to be delayed primary cases of vivax malaria and that the actual transmission occurred during the summer of 1965.*

*They are accordingly considered to represent an introduction of malaria into the United States.

(Reported by Dr. Calixto Hernandez, Medical Director, Division of Epidemiology, and Dr. Joseph Skaggs, Kentucky State Department of Health; Lt. Col. Robert Quinn, Chief of Preventive Medicine at Fort Knox; and an EIS Officer.)

Editorial Note:

The previous introduction of malaria occurred at Fort Benning, Georgia, in 1964-1965 when two army wives who had never travelled outside of the country developed vivax malaria. Epidemiological investigations at that time established that the probable index case was a serviceman who had just had a tour of duty in South Korea (MMWR, Vol. 14, No. 33).

INTERNATIONAL NOTES

VARIOLA MINOR – Britain

Latest information available from an official source records a total of 14 new cases of variola minor in Staffordshire, England, during the period May 11-19. This brings the total of reported cases to 23. Of the new cases 10 were observed in Stoke-on-Trent County Borough, 2 in Walsall County Borough, 1 in Warley District and 1 in Cheadle Rural District. These four areas have been notified to the World Health Organization as smallpox infected local areas and listed accordingly.

On May 26 no further cases had been notified from Britain to WHO.

(World Health Organization Weekly Epidemiological Record No. 21 of May 27, 1966).

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THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

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